

Abstract

REDUCING OVERHEAD WHEN SETTING UP MULTIPLE VIRTUAL CIRCUITS BETWEEN TWO NETWORK DEVICES

Setting up a group of virtual circuits using a single set up message request. In an embodiment,
5 fewer than all of the virtual circuits in the group are immediately provisioned, and the remaining virtual
circuits are placed in an inactive status by appropriate configuration of all the devices in the path of the
group of virtual circuits. Each of the inactive virtual circuits can be activated (complete provisioning)
as and when required. The bandwidth overhead on the networks is reduced as fewer signaling
10 messages would be used in provisioning several virtual circuits. The parsing overhead is reduced on the
devices processing the signaling messages as the parsing overhead is reduced.

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